

REMARKS

Claims 19-27 are pending. A Final Office Action mailed June 27, 2006 rejected Claims 19-21 under 35 U.S.C. § 102 and Claims 22-27 under 35 U.S.C. § 103. Pursuant to 37 CFR § 1.116, Applicant hereby respectfully requests reconsideration of the application.

REJECTION OF CLAIMS UNDER 35 U.S.C. § 102

The Office Action rejected Claims 19-21 as being anticipated by Wu et al. (hereinafter “Wu”). Applicant respectfully traverses this rejection. The Office Action states that Wu discloses the p+ layer having a boron content of greater than $7 \times 10^{19} \text{ cm}^{-3}$ and a germanium content of no more than about $1 \times 10^{21} \text{ cm}^{-3}$. With regard to amended Claim 19, Applicant respectfully traverses this rejection.

Applicant submits that Wu fails to teach or suggest placing only a single strain compensated p+ layer on the first side of said substrate by doping with boron and germanium to form an etch stop, the p+ layer has a boron content of greater than $7 \times 10^{19} \text{ cm}^{-3}$ and a germanium content of no more than about $1 \times 10^{21} \text{ cm}^{-3}$. Wu discloses many Si, Ge, and B concentrations, but never discloses using only a single layer, masking, etching of silicon substrate down to the p+ layer, depositing an insulator on the p+ layer and fabricating electronic components on the insulator. Therefore, Applicant submits that Claim 19 is allowable over Wu.

Because Claims 20 and 21 depend from allowable independent Claim 19, they are allowable for the same reasons that make Claim 19 allowable.

REJECTION OF CLAIMS UNDER 35 U.S.C. § 103

The Office Action rejected Claims 22 and 24-27 as being unpatentable over Wu in view of Stemme et al. (hereinafter “Stemme”). Stemme fails to overcome the deficiencies noted above with regard to Wu. Therefore, Applicant hereby submits that because Claims 22 and 24-27 depend from allowable independent Claim 19, they are allowable for the same reasons that make Claim 19 allowable.

The Office Action rejected Claim 23 as being unpatentable over Wu and Stemme and further in view of Nilsson et al. (hereinafter "Nilsson"). Nilsson fails to overcome the deficiencies noted above with regard to Wu. Therefore, Applicant submits that because Claim 23 depends from allowable Claim 19, Claim 23 is allowable for the same reasons that make Claim 19 allowable.

CONCLUSION

Applicant respectfully submits that all of the claims of the pending application are now in condition for allowance over the cited references. Accordingly, Applicant respectfully requests withdrawal of the rejections, allowance, and early passage through issuance. If the Examiner has any questions, the Examiner is invited to contact the Applicant's agent listed below.

Respectfully submitted,

BLACK LOWE & GRAHAM^{PLLC}

A handwritten signature in black ink, appearing to read "Michael S. Smith", with a stylized flourish at the end.

Michael S. Smith

Registration No. 39,563

Direct Dial: 206.749.9888